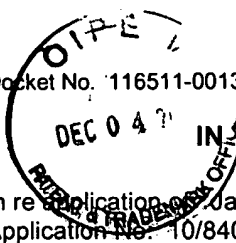


Docket No. 116511-00132



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Jang-keun OH et al.

Application No. 10/840,231

Filed: May 7, 2004

For: CYCLONE DUST SEPARATING APPARATUS AND VACUUM CLEANER HAVING THE SAME

Group Art Unit: 1744

Confirmation No. 9693

Examiner: Not Assigned



INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

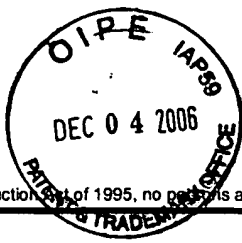
Pursuant to 37 CFR §§ 1.56, 1.97 and 1.98, Applicant(s) wish to make of record the references listed on the attached form PTO/SB/08 (substitute for PTO-1449). Copies of the listed references are attached, where required, as are either statements of relevancy (☐ attached) or any readily available English translations of pertinent portions of any non-English language references.

- ☒ This Information Disclosure Statement is being filed (a) within three months of the filing date of the subject patent application, OR (b) before the mailing date of a first Office Action on the merits. No certification or fee is required.
- ☐ This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ Each item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in any counterpart foreign application not more than three months prior to the filing of this statement. No fee is required.
- ☐ No item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement. No fee is required.
- ☐ A check in the amount of \$180.00 is enclosed under 37 CFR §1.17(p).
- ☐ This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. A check in the amount of \$180.00 is enclosed under 37 CFR §1.17(p).
- ☐ Each item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in any counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.
- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 23-2185. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number

Filing Date

First Named Inventor

Art Unit

Examiner Name

Attorney Docket Number

Sheet

1

of

3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-6,238,451	05-29-2001	Conrad et al.	
		US-1,207,034	12-05-1916	Harsant	
		US-1,416,885	05-23-1922	Schreiner	
		US-6,746,500	06-08-2004	Park et al.	
		US-2,511,387	06-13-1950	Watson et al.	
		US-2,553,175	05-15-1951	Davenport et al.	
		US-3,769,781	11-06-1973	Klein et al.	
		US-6,428,589	08-06-2002	Bair et al.	
		US-6,334,234	01-01-2002	Conrad et al.	
		US-6,607,572	08-19-2003	Gammack et al.	
		US-6,238,451	05-29-2001	Conrad et al.	
		US-1,416,995	05-23-1922	Stroud	
		US-4,373,228	02-15-1983	Dyson	
		US-3,425,192	02-04-1969	Davis	
		US-6,582,489	06-24-2003	Conrad	
		US-6,740,144	05-25-2004	Conrad et al.	
		US-			
		US-			
		US-			

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(Use as many sheets as necessary)

Complete if Known

Application Number 10/840,231
Filing Date 05/07/2004
First Named Inventor Jang-keun OH et al.
Art Unit 1744
Examiner Name Not Assigned
Attorney Docket Number 116511-00132

Sheet 2 of 3

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ² Number ⁴ Kind Code ⁵ (if known)				
		JP 52-014775	02-02-1977	Yoshitomi Pharmaceut. Ind., Ltd.		Abstract
		JP 2003-116752	04-22-2003	Samsung Kwangju Electronics Co., Ltd.		Abstract
		JP 2002-051951	02-19-2002	Samsung Kwangju Electronics Co., Ltd.		Abstract
		JP 2002-172077	06-18-2002	Samsung Kwangju Electronics Co., Ltd.		Abstract
		GB 1,207,034	09-30-1970	Polysius GmbH		
		GB 2,377,656	01-22-2003	Samsung Kwangju Electronics Co., Ltd.		
		FR 2619498	02-24-1989	Georges BONNET		Abstract
		CN 1389175	01-08-2003	Samsung Kwangju Electronics Co., Ltd.		Abstract
		GB 835884	05-25-1960	Theodore Rufus NAYLOR		
		GB 2,374,305	10-16-2002	Dyson Limited		
		GB 2,375,980	08-13-2003	Samsung Kwangju Electronics Co., Ltd.		
		WO 02/067750	09-06-2002	Dyson Ltd.		
		DE 10 2004 028 677.9	06-14-2004	Samsung Gwangju Electronics Co., Ltd.		Abstract
		JP 2003-024826	01-28-2003	Casle KK		Abstract
		GB 2,406,065	03-23-2005	Samsung Gwangju Electronics Co., Ltd.		
		GB 2,360,719	03-10-2001	Dyson Ltd.		
		WO 01/74493	10-11-2001	Dyson Ltd.		
		GB 2,381,484	05-07-2003	Polar Light Ltd.		
		DE 10 2004 028 675	06-14-2004	Samsung Gwangju Electronics Co., Ltd.		Abstract
		DE 10 2004 028 676	06-14-2004	Samsung Gwangju Electronics Co., Ltd.		Abstract

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/840,231
Filing Date	May 7, 2004
First Named Inventor	Jang-keun OH, et al.
Art Unit	1744
Examiner Name	Not Assigned
Attorney Docket Number	116511-00132

Sheet	3	Of	3
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		JAPANESE PATENT OFFICE, Office Action issued June 20, 2006 with respect to Japanese Patent Application No. 2004-46393, filed February 23, 2004.	
		GERMAN PATENT OFFICE, Office Action issued July 11, 2006, with respect to German Patent Application No. 10 2004 028 678.7, filed June 14, 2004.	✓
		SPANISH PATENT OFFICE, State of the Art Report issued April 17, 2006, with respect to Spanish Patent Application No. 200401753, filed July 16, 2004.	
		CHINESE PATENT OFFICE, Office Action issued January 20, 2006, with respect to Chinese Patent Application No. 200410049219.7, filed June 2, 2004.	✓
		BRITISH PATENT OFFICE, Combined Search and Examination Report issued October 29, 2004, with respect to British Patent Application No. 0412903.7.	
		RUSSIAN PATENT OFFICE, Office Action issued May 13, 2005, with respect to Russian Patent Application No. 2004120073.	✓
		KOREAN PATENT OFFICE, Office Action issued July 29, 2005, with respect to Korean Patent Application No. 2003-63211, filed September 9, 2003.	
		SPANISH PATENT OFFICE, State of the Art Report issued April 19, 2006, with respect to Spanish Patent Application No. 200402015, filed August 12, 2004.	
		GERMAN PATENT OFFICE, Office Action issued July 4, 2006, with respect to German Patent Application No. 10 2004 028 677.9, filed June 14, 2004.	✓
		CANADIAN PATENT OFFICE, Office Action issued August 17, 2006, with respect to Canadian Patent Application No. 2,469,533.	
		FRENCH PATENT OFFICE, Preliminary Search Report issued April 12, 2006, with respect to French Patent Application No. 0406487.	
		RUSSIAN PATENT OFFICE, Office Action issued May 13, 2005, with respect to Russian Patent Application No. 2004118404, filed June 17, 2004.	✓

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Considered